Anti-IL-8 antibody ab7747

Product name: Anti-IL-8 antibody
Description: Rabbit polyclonal to IL-8
Host species: Rabbit
Specificity: Please be aware that this product has low homology with the mouse and rat sequence of IL8 (Rat, 46%; Mouse 45%, UniProt blast) and we therefore cannot guarantee reactivity in these species.

Tested applications: Suitable for: IHC-P, WB, IHC-Fr, IP, ELISA, ICC/IF

Species reactivity: Reacts with: Human, Cynomolgus monkey, Rhesus monkey

Immunogen: Recombinant full length protein corresponding to IL-8.

Positive control: Purchase matching WB positive control:
Recombinant human IL-8 protein
recombinant IL-8, activated macrophages

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: Preservative: 0.02% Sodium azide
Purity: Protein A purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab7747 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tr>
<td>IHC-P</td>
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<td>Use at an assay dependent concentration. PubMed: 17208399</td>
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**Function**

IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8(6-77) has a 5-10-fold higher activity on neutrophil activation, IL-8(5-77) has increased activity on neutrophil activation and IL-8(7-77) has a higher affinity to receptors CXCR1 and CXCR2 as compared to IL-8(1-77), respectively.

**Sequence similarities**

Belongs to the intercrine alpha (chemokine CxC) family.

**Post-translational modifications**

Several N-terminal processed forms are produced by proteolytic cleavage after secretion from at least peripheral blood monocytes, leukocytes and endothelial cells. In general, IL-8(1-77) is referred to as interleukin-8. IL-8(6-77) is the most prominent form.

**Cellular localization**

Secreted.

**Images**

ab7747 staining IL8 in SVGA astrocytes transfected with a plasmid encoding Vpr by ICC/IF (Immunocytochemistry/immunofluorescence). The cells were stained for nucleus (blue), IL8 (green) and GFAP (red). Cells were fixed with ice-cold methanol/acetone (1:1) for 20 minutes at 20°C, washed 3x with PBS and permeabilized with 0.1% Triton X-100 in PBS and blocked with 1% BSA for 30 minutes at RT. Samples were incubated with ab7747 overnight in a humidified chamber. The cells were washed 5x with 0.1% Triton X-100 in PBS and incubated for 1h in secondary antibodies conjugated with Alexa Fluor 488 (Anti-Rabbit, 1:1000) at room temperature in the dark. All the antibodies were diluted in PBS containing 1% BSA.
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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